

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number  
WO 2004/113381 A1

(51) International Patent Classification<sup>7</sup>: C07K 14/62,  
14/64, 14/65, 14/575, A61K 38/22, 38/28, 38/30, A61P  
3/10, 15/00, 15/08, 15/14, 19/00, 35/00

(74) Agents: COWLE, Anthony, John et al.; Davies Coli-  
son Cave, Level 10, 10 Barrack Street, Sydney, New South  
Wales 2000 (AU).

(21) International Application Number:  
PCT/AU2004/000798

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(22) International Filing Date: 18 June 2004 (18.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003903124 20 June 2003 (20.06.2003) AU

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

(71) Applicants (for all designated States except US):  
HOWARD FLOREY INSTITUTE OF PHYSIOLOGY AND MEDICINE [AU/AU]; The University of  
Melbourne, Parkville, Victoria 3010 (AU). THE UNIVERSITY OF MELBOURNE [AU/AU]; Parkville,  
Victoria 3010 (AU).

Declaration under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the  
earlier application (Rule 4.17(iii)) for all designations

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RELAXIN SUPERFAMILY PEPTIDE ANALOGUES

(57) Abstract: Monomeric, cyclic peptide analogues of relaxin superfamily proteins, based on B-chains of relaxin superfamily proteins, and methods of making them, are described, as well as pharmaceutical compositions containing them and methods of utilising them.

WO 2004/113381 A1

BEST AVAILABLE COPY